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Patent Application

7/21/2004

Application #: 10/707,088

Group Art Unit # 3712

Filing Date: 11/20/2003

Examiner: Kurt Fernstrom

Title: Teaching Circumference Instrument

Amendment to Claims

- 1) The claims have been rewritten in the form as follows:
"The device of claim 1, wherein the ..."
- 2) Parentheses have been removed from claim 4.
- 3) Overly broad language such as "or any mechanism used for attachment", have been removed.
- 4) Claims 15 and 16 have been added.

Note: Originals with markings are in red ink. Amendments are in Black ink.

The amendments includes no new matter that was not disclosed in the original specifications.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Gerald Bauldock

A handwritten signature in cursive script that reads "Gerald Bauldock".

Claims



[c1]

I claim:

1. ~~A device comprising a circular ring with a rigid intersecting bar representing its diameter, with separate flexible bars that can be attached to the outer circumference of the circle by attachment pins.~~ with three separate flexible bars that are a diameter in length and one flexible bar that is .14 diameters in length that can be attached around the outer circumference of the circle by attachment mechanisms.

[c2]

2. ~~An intersecting bar according to claim 1, which has marked off units dividing the bar into segments.~~ A device of claim 1, wherein an intersecting bar has marked off units dividing the bar into segments.

[c3]

3. ~~A circular ring according to claim 1, which has marked off units around the 360 degrees of the circle.~~ A device of claim 1, wherein a circular ring has marked off units around the 360 degrees of the circle.

[c4]

4. ~~Attachment pins (or any mechanism used for attachment) according to claim 1, are located on the outer perimeter of the circle located at diameter lengths of the circle at 0, 114.6, 229.2 and 343.8 degrees.~~ A device of claim 1, wherein the attachment mechanism allows the four flexible bars to be attached around the outer perimeter of the circle, and allows the flexible bars to fit around the perimeter of the circle occupying four arc lengths equal to the distance between 0 and 114.6 degrees, 114.6 and 229.2 degrees, 229.2 and 343.8 degrees, and 343.8 and 360 degrees of the circle.

[c5]

5. ~~Flexible bars according to claim 1, are the same size as the diameter and can be attached to the outer perimeter by way of the attachment pins.~~ A device of claim 1, wherein flexible bars are the same size as the diameter and can be attached by bending or flexing around the outer perimeter by way of the attachment mechanism.

[c6]

~~6. A flexible bar according to claim 1, which is .14 diameters in length and can be attached to the outer perimeter by way of the attachment pins. A device of claim 1, wherein a flexible bar is .14 diameters in length and can be attached by bending or flexing around the outer perimeter of the circle by way of the attachment mechanism.~~

[c7]

~~7. A circular ring according to claim 1, which when the three flexible diameters bars and one .14 diameter bar are affixed to the circle they represent 3.14 diameters. A device of claim 1, wherein a circular ring which when the three flexible diameters bars and one .14 diameter bar are affixed to the circle they represent 3.14 diameters.~~

[c8]

~~8. A device comprising a circular ring with a rigid intersecting bar representing its diameter and showing the radius of the circle, with separate flexible bars that can be attached to the outer circumference of the circle by attachment pins. A device comprising a circular ring with a rigid intersecting bar representing its diameter and showing the radius of the circle, with six separate flexible bars that are a radius in length and one flexible bar that is .28 radiuses in length that can be attached around the outer circumference of the circle by attachment mechanism.~~

[c9]

~~9. An intersecting bar according to claim 8, which has marked off units dividing the radius into segments. A device of claim 8, wherein an intersecting bar has marked off units dividing the radius into segments.~~

[c10]

~~10. Attachment pins according to claim 8, on the outer perimeter of the circle located at radius length of the circle at 0, 57.3, 114.6, 171.9, 229.2, 286.5, and 343.8 degrees. A device of claim 8, wherein the attachment mechanism allows the seven flexible bars to be attached around the outer perimeter of the circle, and allows the flexible bars to fit around the perimeter of the circle occupying seven arc lengths equal to the distance between 0 and 57.3 degrees, 57.3 and 114.6 degrees, 114.6 and 171.9 degrees, 171.9 and 229.2 degrees, 229.2 and 286.5 degrees, 286.5 and 343.8 degrees, and 343.8 and 360 degrees of the circle.~~

[c11]

~~11.Flexible bars according to claim 8, are the same size as the radius can be attached to the outer perimeter by way of the attachment pins. A device of claim 8, wherein flexible bars are the same size as the radius can be attached by bending or flexing around the outer perimeter by way of the attachment mechanism.~~

[c12]

~~12.A flexible bar according to claim 8, which is .28 radiuses in length and can be attached to the outer perimeter of the circle. A device of claim 8, wherein a flexible bar is .28 radiuses in length and can be attached by bending or flexing around the outer perimeter of the circle by way of the attachment mechanism.~~

[c13]

~~13.A circular ring according to claim 8, which when the six radius bars and one .28 radius bar are affixed to the circle they represent 6.28 radius. A device of claim 8, wherein a circular ring, which when the six flexible radius bars and one .28 radius bar are affixed around the circle they represent 6.28 radius.~~

[c14]

~~14.A circular ring according to claim 8, which when the three radius bars and one .14 radius bar are affixed to half of the circle they represent 3.14 radius. A device of claim 8, wherein a circular ring, which when the three radius bars and one .14 radius bar are affixed around half of the circle they represent 3.14 radius.~~

Claims



[c1]

I claim:

1. A device comprising a circular ring with a rigid intersecting bar representing its diameter, with three separate flexible bars that are a diameter in length and one flexible bar that is .14 diameters in length that can be attached around the outer circumference of the circle by attachment mechanisms.

[c2]

2. A device of claim 1, wherein an intersecting bar has marked off units dividing the bar into segments.

[c3]

3. A device of claim 1, wherein a circular ring has marked off units around the 360 degrees of the circle.

[c4]

4. A device of claim 1, wherein the attachment mechanism allows the four flexible bars to be attached around the outer perimeter of the circle, and allows the flexible bars to fit around the perimeter of the circle occupying four arc lengths equal to the distance between 0 and 114.6 degrees, 114.6 and 229.2 degrees, 229.2 and 343.8 degrees, and 343.8 and 360 degrees of the circle.

[c5]

5. A device of claim 1, wherein flexible bars are the same size as the diameter and can be attached by bending or flexing around the outer perimeter by way of the attachment mechanism.

[c6]

6. A device of claim 1, wherein a flexible bar is .14 diameters in length and can be attached by bending or flexing around the outer perimeter of the circle by way of the attachment mechanism.

[c7]

7. A device of claim 1, wherein a circular ring which when the three flexible diameters bars and one .14 diameter bar are affixed to the circle they represent 3.14 diameters.

[c8]

8. A device comprising a circular ring with a rigid intersecting bar representing its diameter and showing the radius of the circle, with six separate flexible bars that are

a radius in length and one flexible bar that is .28 radiuses in length that can be attached around the outer circumference of the circle by attachment mechanism.
[c9]

9. A device of claim 8, wherein an intersecting bar has marked off units dividing the radius into segments.
[c10]

10. A device of claim 8, wherein the attachment mechanism allows the seven flexible bars to be attached around the outer perimeter of the circle, and allows the flexible bars to fit around the perimeter of the circle occupying seven arc lengths equal to the distance between 0 and 57.3 degrees, 57.3 and 114.6 degrees, 114.6 and 171.9 degrees, 171.9 and 229.2 degrees, 229.2 and 286.5 degrees, 286.5 and 343.8 degrees, and 343.8 and 360 degrees of the circle.
[c11]

11. A device of claim 8, wherein flexible bars are the same size as the radius can be attached by bending or flexing around the outer perimeter by way of the attachment mechanism.
[c12]

12. A device of claim 8, wherein a flexible bar is .28 radiuses in length and can be attached by bending or flexing around the outer perimeter of the circle by way of the attachment mechanism.
[c13]

13. A device of claim 8, wherein a circular ring, which when the six flexible radius bars and one .28 radius bar are affixed around the circle they represent 6.28 radius.
[c14]

14. A device of claim 8, wherein a circular ring, which when the three radius bars and one .14 radius bar are affixed around half of the circle they represent 3.14 radius.
[c15]

15. A device of claim 1, wherein the attachment mechanism is a means for attaching the diameter bars to the ring or circle.
[c16]

16. A device of claim 8, wherein the attachment mechanism is a means for attaching the radius bars to the ring or circle.